

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/716,810	09/19/96	ANDERSON	E P19477 JAS-59

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LN11/1201

EXAMINER
GREENING, W

ART UNIT	PAPER NUMBER
2712	2

DATE MAILED:

12/01/97

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 08/716,018	Applicant(s) E. Anderson
	Examiner Wendy Garber	Group Art Unit 2712



Responsive to communication(s) filed on _____.

This action is **FINAL**.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

Claim(s) 1-15 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1-15 is/are rejected.

Claim(s) _____ is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. (*informal*)

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

It is requested that the title include information regarding the multimedia icons.

2. The disclosure is objected to because of the following informalities: the information regarding the U.S. application data on the bottom of page 5 and the top of page 10 needs to be completed.

Appropriate correction is required.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 8 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuchta,^{5,164,831}
5,633,676 et al in view of Parulski et al.

Claim 15 will be discussed first. Figure 1A of Kuchta shows a digital camera which includes a memory device (24) coupled to the camera for storing image data. Figures 2A and 2B show that the memory is controlled such as to allocate space for both the image data and a thumbnail image of the image data as well as an information field (header). Note the last paragraph in col. 4. Figure 1A also shows a interface (display 30) for displaying image data. As stated in col. 7, lines 47+, a plurality of images may be shown in a mosaic pattern. May be shown on the display. Kuchta does not explicitly state that image information other than the image data may be

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shown on the display along with the image data. Parulski also discloses a digital camera that includes a memory for storing image data along with other information regarding the image data (see figure 7 for the memory allocation). As shown in figure 8, each image cell includes an area for showing the image data, as well as an area (upper left corner shows a graphic and lower corners display text) for displaying additional information related to the image. This area can be considered an "icon area". This is, of course, advantageous since it gives the user more information regarding the image (see col. 1, lines 55+). It would have been obvious to one of ordinary skill in the art to include an "icon area" along with the images in the mosaic disclosed by Kuchta so as to convey additional information about the image to the user of the camera.

As for claims 1 and 8, as disclosed above, Kuchta discloses a digital camera which stores captured images and displays a mosaic of the images in a viewfinder. Each of the areas an image is shown in can be considered an "image cell" which inherently has an "image area" for displaying the image. As discussed above, Kuchta does not explicitly state that image cell can include an icon area for displaying additional information regarding the corresponding image. Parulski shows, in figure 8, that the image cell includes an area (upper left and bottom corners) for displaying additional information. As stated above regarding claim 15, it would have been obvious to include this additional information in an "icon area" so that the user can see the additional information along with the image.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2-7 and 9-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kuchta et al in view of Parulski et al and further in view of Takahashi et al.

As for claims 2 and 9, while Parulski discloses that additional information in the form of text may be displayed along with the image, Parulski does not explicitly state that icons corresponding to different media types may be displayed in the image cell. Takahashi discloses a camera that records image data as well as additional information regarding the image in a memory (element 14 in figure 1). As shown in figure 4, different media types may be stored, as well as icons corresponding to the media types shown along with the image. Figure 4 shows character icons corresponding to a text medium and a sound icon corresponding to an audio medium displayed along with the image. Storing audio information along with the image would have been obvious since it, like Parulski, adds additional information to the image which can be retrieved by a user. Based on this, it would have been obvious to store audio information as well as text information along with the image and display corresponding icons in the camera system disclosed by Kuchta.

Regarding claims 3 and 10, as discussed above, figures 2A-2B of Kuchta show that each image is stored as compressed image data and thumb nail image data (col. 4, last paragraph).

As for claims 4 and 11, col. 7, lines 47+ state that the thumb nail image is displayed on the display.

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Regarding claims 5 and 12, both Parulski and Kuchta disclose that additional descriptive information associated with an image is stored along with the image. As discussed above, this may be in the format of a number of different media, such as text, graphical information (as shown in Parulski), or audio).

As for claims 6 and 13, both Parulski and Takahashi disclose text being displayed along with the image.

As for claims 7 and 14, Kuchta shows in figure 2B that multiple image can be stored together with a single “directory” which acts as a header for pointing to each of the images.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 308-9051, (for formal communications intended for entry)

Or:

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(703) 308-5399 (for informal or draft communications, please label
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA., Sixth Floor (Receptionist).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wendy Garber whose telephone number is (703) 305-4929. The examiner can normally be reached on Monday-Thursday from 7:45 to 5:15.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Faile, can be reached on (703) 305-4380.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

WRG
November 18, 1997

Wendy Garber
WENDY GARBER
PRIMARY EXAMINER
GROUP 2600